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### TRANSMITTAL FORM

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Total Number of Pages in This Submission

13

 Application Number
 10/669,177

 Filing Date
 09-23-2003

 First Named Inventor
 Ba-Zhong Shen

 Art Unit
 2133

 Examiner Name
 DILDINE JR, R STEPHEN

 Attorney Docket Number
 BP3036.1

			ENCLOS	URES (Check all that apply	<i>(</i> )		
	Fee Transmitta	l Form	Drawi	ng(s)	A	ofter Allowance Communication to TC	
	Fee Atta	ached	Licens	sing-related Papers		Appeal Communication to Board of Appeals and Interferences	
Amendment/Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Information Disclosure Statement		Provising Power Change Termi	on to Convert to a cional Application of Attorney, Revocation ge of Correspondence Address and Disclaimer est for Refund	P S S C b 2. Requer publication page)	Appeal Communication to TC Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify relow): set to apply previously paid issue fee, on fee, and advance copy fee (1) of 2nd Notice of Allowance (8 pages)		
Certified Copy of Priority Document(s)  Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53		Remarks 4. Copy of preprious issue fee to page)	e fee, publication fee, and adv ransmittal PTOL-85 (Rev. 07/0 ss indication form - Form PTO	O-stamped ance copy 06) - PAR1	d Issue fee transmittal PTOL-85 y fee payments (1 page) r B - FEE(S) TRANSMITTAL (1		
	SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT						
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Signat	ure /S	/SXShort/ Reg. No. 45,105					
Printed	sh Sh	Shayne X. Short, Ph.D. (Reg. No. 45,105)					
Date	03-2	20-2007		Reg. No.	45,105		

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class hail in an envelope addressed to commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name Barbara A. Adkins

Date 03-20-2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

MAR 23 2007 W

### PATENT APPLICATION

Application Serial No: 10/669,177	Attorney Docket No: BP3036.1					
<b>Application Filing Date</b> : 09-23-2003	Inventor(s): Ba-Zhong Shen, Hau Thien					
Examiner: Dildine Jr., R. Stephen	Tran, and Kelly Brian Cameron					
Art Group: 2133	Patent No: n/a					
Confirmation No: 4091	Patent Issue Date: n/a					
Title: Iterative metric updating when decoding LDPC (Low Density Parity Check) coded						
signals and LDPC coded modulation signals						

Date: 03-20-2007

Mail Stop <u>ISSUE FEE</u> Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

# REQUEST TO APPLY PREVIOUSLY PAID ISSUE FEE AND PUBLICATION FEE

The Applicant hereby respectfully requests that the Examiner apply the previously paid issue fee and publication fee.

The Applicant is submitting herewith a copy of the previously submitted PTOL-85 form (which was stamped by the OIPE on 12-27-2006) that verifies the previous payment of the issue fee (\$1400.00), the publication fee (\$300.00), and the advance copy fees (\$6.00) for a total of **\$1706.00**.

The Examiner is invited to contact the undersigned by telephone or facsimile if the Examiner believes that such a communication would advance the prosecution of the present U.S. utility patent application.

RESPECTFULLY SUBMITTED,

By: /SXShort/ Reg. No. 45,105

Shayne X. Short, Ph.D., Reg. No. 45,105

Direct Phone: (512) 825-1145 Direct Fax No. (512) 394-9006

GARLICK HARRISON & MARKISON ATTORNEYS AT LAW P.O. BOX 160727 AUSTIN, TEXAS 78716-0727

TELEPHONE (512) 825-1145 / FACSIMILE (512) 394-9006 or (512) 301-3707

Applicant(s)
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Art Unit
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Art Unit: 2133

The information disclosure statement filed 16 January 2007 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file, but the information referred to therein has not been considered. However, see the PTO-892, which forms a part of this action wherein this reference is cited to make of record that it has been considered.

Claims 1-31 are allowed.

The following is an examiner's statement of reasons for allowance: The reference by Wheatley discloses a system which uses a ½ rate, constraint length 5 convolutional code (2.5.1, page 7) which is decoded by means of a Viterbi decoder (3.1, page 14). This is distinct from applicants' claimed invention which uses a low density parity check (LDPC) code which is decoded by the use of message passing between check nodes and bit nodes.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2133

Any inquiry concerning this communication or earlier communications from the examiner should be directed to R. Stephen Dildine whose telephone number is (571) 272-3820. The examiner can normally be reached on M - F 5:30 am to 2:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on (571) 272-3819. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

R. Stephen Dildine Primary Examiner Art Unit 2133

R. Stephen Dildine

PRIMARY EXAMINER
TECHNOLOGY CENTER 2100

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	Sheet 1	of	1	Attorney Docket Number	DP3036.1		

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magezine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Moe Wheatley, "WinPSK Technical Reference Manual", 46 pages	
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Examiner Date /R Stephen Dildine/ Signature 01/24/2007 Considered

If you need assistence in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

<sup>&</sup>quot;EXAMINER: Initial II reterence considered, whether or not citation is in conformance with MPEP 609. Draw time through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicants unique citation designation number (ortional). 2 Applicant is to piace a check mark here if English language Translation is estanched. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retein a benefit by the public which is to five (and by the USPTO to process) an application. Conndomistity is governed by 38 U.S.C. 122 and 37 CFR 1.14. This collection is eclimated to take 2 hours are completely publication, preparing, and submitting the completed application form to the USPTO. Time will very depending upon the Individual case. Any comments on the amount of time you require to complete this chain suffer suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Pateral and Tradomark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

MAR 23 1001 E	Application/Control No. 10/669,177	Applicant(s)/i Reexamination SHEN ET AL	on
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TO THAT THE	R. Stephen Dildine	2133	Page 1 of 1

### U.S. PATENT DOCUMENTS

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification		
	Α	US-					
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### FOREIGN PATENT DOCUMENTS

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#### **NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Wheatly, Moe, WinPSK Technical Reference Manual; Pages 1-47; http://www.ise.canberra.edu.au/un5354/modem/winpsktech10.pdf
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\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.